

JAVA.UTIL.UUID CLASS

http://www.tutorialspoint.com/java/util/java_util_uuid.htm

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Introduction

The **java.util.UUID** class represents an immutable **universally unique identifier (UUID)**. Following are the important points about UUID:

- A UUID represents a 128-bit value.
- It is used for creating random file names, session id in web application, transaction id etc.
- There are four different basic types of UUIDs: time-based, DCE security, name-based, and randomly generated UUIDs.

Class declaration

Following is the declaration for **java.util.UUID** class:

```
public final class UUID
    extends Object
    implements Serializable, Comparable<UUID>
```

Class constructors

| S.N. | Constructor & Description |
|------|--|
| 1 | UUID(long mostSigBits, long leastSigBits) This constructor constructs a new UUID using the specified data. |

Class methods

| S.N. | Method & Description |
|------|--|
| 1 | <u>int clockSequence()</u> This method shows the clock sequence value associated with this UUID. |
| 2 | <u>int compareTo(UUID val)</u> This method compares this UUID with the specified UUID. |
| 3 | <u>boolean equals(Object obj)</u> This method compares this object to the specified object. |
| 4 | <u>static UUID fromString(String name)</u> This method creates a UUID from the string standard representation. |
| 5 | <u>long getLeastSignificantBits()</u> This method returns the least significant 64 bits of this UUID's 128 bit value. |
| 6 | <u>long getMostSignificantBits()</u> This method returns the most significant 64 bits of this UUID's 128 bit value. |

| | |
|----|--|
| 7 | <u>int hashCode()</u> This method returns a hash code for this UUID. |
| 8 | <u>static UUID nameUUIDFromBytes(byte[] name)</u> Static factory to retrieve a type 3(name based) UUID based on the specified byte array. |
| 9 | <u>long node()</u> This method returns the node value associated with this UUID. |
| 10 | <u>static UUID randomUUID()</u> Static factory to retrieve a type 4(pseudo randomly generated) UUID. |
| 11 | <u>long timestamp()</u> This method returns the timestamp value associated with this UUID. |
| 12 | <u>String toString()</u> This method returns the String object representing this UUID. |
| 13 | <u>int variant()</u> This method returns the variant number associated with this UUID. |
| 14 | <u>int version()</u> This method removes the version number associated with this UUID. |

Methods inherited

This class inherits methods from the following classes:

- java.util.Object